Environmental Monitoring and Assessment

Volume 143 · Numbers 1–3 · August 2008

GC–ECD analysis of *S*-metolachlor (Dual Gold) in cotton plant and soil in trial field
P. Cao · F. Liu · S. Wang · Y. Wang · L. Han 1

A vulnerability analysis in the Fei-tsui reservoir watershed in Taiwan
C.-L. Chang · P.-T. Chiueh · Y.-S. Peng 9

Migratory crustaceans as biomonitors of metal pollution in their nursery areas. The Lesina lagoon (SE Italy) as a case study
R. D'Adamo · M. Di Stasio · A. Fabbrocini · F. Petitto · L. Roselli · M.G. Volpe 15

Heavy metals pollution in a sewage treatment oxidation pond and the receiving stream of the Obafemi Awolowo University, Ile Ife, Nigeria
A.O. Ogunfowokan · A.A. Adenuga · N. Torto · E.K. Okoh 25

Impact of intensive agricultural practices on drinking water quality in the EVROS Region (NE GREECE) by GIS analysis
C. Nikolaidis · P. Mandalos · A. Vantarakis 43

Dioxin uptake by Indian plant species
J.S. Pandey · R. Kumar · S.R. Wate 51

Radon level and radon effective dose rate determination using SSNTDs In Sannur cave, Eastern desert of Egypt
R.M. Amin · M.F. Eissa 59

Determination of nickel, copper, zinc and lead in human scalp hair in Syrian occupationally exposed workers by total reflection X-ray fluorescence
A. Khuder · M.A. Bakir · R. Hasan · A. Mohammad 67

Economics of place-based monitoring under the safe drinking water act, part I: spatial and temporal patterns of contaminants, and design of screening strategies
E. Brands · R. Rajagopal 75

Economics of place-based monitoring under the safe drinking water act, part II: Design and development of place-based monitoring strategies
E. Brands · R. Rajagopal 91

Economics of place-based monitoring under the safe drinking water act, part III: performance evaluation of place-based monitoring strategies
E. Brands · R. Rajagopal 103

Emission of volatile organic sulfur compounds from a heavily polluted river in Guangzhou, South China
Y. Sheng · F. Chen · Y. Yu · X. Wang · G. Sheng · J. Fu · E.Y. Zeng 121

Prediction models of CO, SPM and SO_2 concentrations in the Campo de Gibraltar Region, Spain: a multiple comparison strategy
I.J. Turias · F.J. González · M.L. Martin · P.L. Galindo 131

Modelling vegetation greenness responses to climate variability in a Mediterranean terrestrial ecosystem
N. Diodato · G. Bellocchi 147

Evaluation of the seasonal variation on the geochemical parameters and quality assessment of the groundwater in the proximity of River Cooum, Chennai, India
L. Giridharan · T. Venugopal · M. Jayaprakash 161

Multivariate analysis of heavy metals concentrations in river estuary
A.F.M. Alkarkhi · A. Ahmad · N. Ismail · A. Mat Easa **179**

Soil water content forecasting by ANN and SVM hybrid architecture
H. Liu · D. Xie · W. Wu **187**

Statistical evaluation of hydrobiological parameters of Narmada River water at Hoshangabad City, India
S. Sharma · S. Dixit · P. Jain · K.W. Shah · R. Vishwakarma **195**

Status and habitat preferences for endemic inhabitants of fiddler crab *Uca formosensis* in Hsiang-Shan wetland, Taiwan
S.-W. Liao · W.-L. Chang · S.-W. Lin **203**

Environmetrics to evaluate marine environment quality
T. Spanos · V. Simeonov · P. Simeonova · E. Apostolidou · J. Stratis **215**

Impact of poor solid waste management on ground water
P. Vasanthi · S. Kaliappan · R. Srinivasaraghavan **227**

Whole body vibration exposure in heavy earth moving machinery operators of metalliferrous mines
A.P. Vanerkar · N.P. Kulkarni · P.D. Zade · A.S. Kamavisdar **239**

Assessment of metals in down feathers of female common eiders and their eggs from the Aleutians: arsenic, cadmium, chromium, lead, manganese, mercury, and selenium
J. Burger · M. Gochfeld · C. Jeitner · D. Snigaroff · R. Snigaroff · T. Stamm · C. Volz **247**

Spatial distribution and sources of polycyclic aromatic hydrocarbons (PAHs) in soils from typical oil-sewage irrigation area, Northeast China
X. Li · P. Li · X. Lin · Z. Gong · S. Fan · L. Zheng · E.A. Verkhozina **257**

Heavy metal contents of refined and unrefined table salts from Turkey, Egypt and Greece
M. Soylak · D.S.K. Peker · O. Turkoglu **267**

Toxic metals and organochlorine pesticides residue in single herbal drugs used in important ayurvedic formulation – 'Dashmoola'
V. Rai · P. Kakkar · J. Singh · C. Misra · S. Kumar · S. Mehrotra **273**

Evaluation of water quality index for drinking purposes for river Netravathi, Mangalore, South India
S.M. Avvannavar · S. Shrihari **279**

Assessment of sampling designs to measure riverine fluxes from the Pearl River Delta, China to the South China Sea
H.-G. Ni · F.-H. Lu · X.-L. Luo · H.-Y. Tian · J.-Z. Wang · Y.-F. Guan · S.-J. Chen · X.-J. Luo · E.Y. Zeng **291**

Polycyclic aromatic hydrocarbons study and toxic equivalency factor (TEFs) in Tehran, IRAN
F. Halek · Gh. Nabi · A. Kavousi **303**

Nutrient dynamics between sediment and overlying water in the inner part of Izmir Bay, Eastern Aegean
E.Y. Ozkan · A. Kocatas · B. Buyukisik **313**

Spatial distribution of major and trace elements in the water of Swarzędzkie Lake (Poland)
D. Barałkiewicz · H. Gramowska · A. Kanecka · I. Krzyżaniak · R. Gołdyn **327**

A hydrochemical profile for assessing the groundwater quality of Jaipur City
R.K. Tatawat · C.P.S. Chandel **337**

Trend in metals variation in Tasik Chini, Pahang, Peninsular Malaysia
M. Shuhaimi-Othman · I. Mushrifah · E. Lim · A. Ahmad **345**

Nutrient environment of red tide- infested waters off south-west coast of India
T. Joseph · P. Shaiju · C.M. Laluraj · K.K. Balachandran · M. Nair · R. George · K.K.C. Nair · S. Sahayak · M.P. Prabhakaran **355**

Instructions for Authors for *Environ Monit Assess* are available at http://www.springer.com/10661.